



NATIONAL  
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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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12-10

**AGRICULTURAL NEWS:** This past week has been the warmest week on average so far this year. Almost every day livestock heat stress reached the danger category, especially in the western half of the State. Temperatures averaged 78 degrees, 4 degrees above normal and 2 degrees warmer than last week. Precipitation for the week was above normal, totaling 1.02 inches with ranges from 0.09 to 2.40 inches throughout the State. **Topsoil moisture** was rated as 1 percent very short, 16 percent short, 71 percent adequate, and 12 percent surplus. **Subsoil moisture** was rated as 8 percent short, 81 percent adequate, and 11 percent surplus. There were 4.8 days, out of a possible 7, suitable for fieldwork. Harvesting wheat, planting soybeans and setting tobacco were the major activities for the week. No major problems with diseases or insects has been reported.

**ROW CROPS:** Emerged **corn** is in mostly good condition with 5 percent poor, 18 percent fair, 57 percent good, and 20 percent excellent. Corn tasseling is at 17 percent, compared to the 1 percent last year and 6 percent for the five year average. As of Sunday June 20, **soybeans** planted progressed to 85 percent, ahead of the 73 percent reported last year and the five year average of 84 percent. Eighty percent of the planted soybeans had emerged, well ahead of the 67 percent last year and the five year average of 78 percent. The average height of emerged soybeans was 8 inches, compared to last year's 6 inches and the five year average of 7 inches. The condition of the soybean crop was reported as 1 percent poor, 9 percent fair, 62 percent good, and 28 percent excellent.

**TOBACCO:** Tobacco setting is winding down with 95 percent of the burley in the ground, compared with 87 percent last year and the five year average of 92 percent. Dark tobacco setting was also nearly complete with 94 percent set, ahead of the 89 percent last year and the five year average of 94. The condition of set tobacco was reported as 1 percent very poor, 1 percent poor, 23 percent fair, 60 percent good and 15 percent excellent. Sixty percent

of set tobacco was less than 12 inches high, with 33 percent from 12 to 24 inches in height, and 7 percent over 24 inches tall.

**SMALL GRAINS:** Winter wheat harvest for grain continues, with the majority of the crop in good condition. As of Sunday June 20, the winter wheat harvested was at 36 percent, compared to last year's 24 percent and the five year average of 34 percent. The condition of winter wheat was reported as 1 percent very poor, 3 percent poor, 18 percent fair, 58 percent good and 20 percent excellent.

**OTHER CROPS AND PASTURE:** The hay harvest has been hampered by rain wet fields in some areas of the State. Pastures showed moisture stress in a few areas with conditions rated as 1 percent very poor, 2 percent poor, 19 percent fair, 58 percent good, and 20 percent excellent. Forty two percent of the alfalfa hay has had a second cutting.

## CROP PROGRESS for week ending 06/20/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Tasseling	17	NA	1	6
Soybeans Planted	85	80	73	84
Soybeans Emerged	80	75	67	78
Wheat Harvested	36	5	24	34
Burley Tobacco Set	95	88	87	92
Dark Tobacco Set	94	92	89	94

## SOIL MOISTURE for week ending 06/20/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	1	16	71	12
Subsoil	0	8	81	11

## CROP CONDITIONS for week ending 06/20/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	0	5	18	57	20
Soybeans	0	1	9	62	28
Winter Wheat	1	3	18	58	20
Pasture	1	2	19	58	20
Tobacco	1	1	23	60	15

## **KENTUCKY WEATHER SUMMARY, JUNE 14 - 20, 2010:**

**Above Normal Temperature and Above Normal Rainfall:**

This past week was the warmest week on average in the Commonwealth this year. Almost every day livestock heat stress reached the danger category, especially in the western half of the state where temperatures were the hottest. The only form of rainfall in the state came from scattered thunderstorms, which was enough to put the Western and Bluegrass climate divisions above normal for the week and the state as a whole.

Temperatures for the period averaged 78 degrees across the state which was 4 degrees above normal and 2 degrees warmer than the previous week. High temperatures averaged from 91 in the West to 87 in the East. Departure from normal high temperatures ranged from 4 degrees above normal in the West to 3 degrees above normal in the East. Low temperatures averaged from 70 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 6 degrees above normal in the West to 4 degrees above normal in the East.

Rainfall for the period totaled 1.02 inches statewide which was 0.13 inches above normal. Rainfall totals by climate division, West 1.00 inches, Central 0.87 inches, Bluegrass 1.49 inches and East 0.71 inches, which was +0.15, -0.05, +0.62 and -0.21 inches respectively from normal. By station, rainfall totals ranged from a low of 0.09 inches at Quicksand to a high of 2.40 inches at Williamstown.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, JUNE 20, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)										
Bardstown	1.28	13.70	3.21	+2.91	-0.38	92	64	78.6	+5	186	1455	+250
Berea	0.94	15.89	2.91	+4.19	-0.96	91	61	76.1	+3	174	1366	+130
Bowling Green	1.29	19.96	6.20	+7.92	+2.15	94	66	81.1	+7	198	1551	+295
Bristol	0.71	6.21	1.61	-3.35	-1.76	91	59	76.6	+4	176	1383	+259
Buckhorn Lake	0.85	11.25	2.32	+0.62	-1.51	89	60	74.7	+2	169	1313	+229
Cape Girardeau	1.01	11.78	2.01	-0.15	-1.64	97	71	82.8	+7	201	1567	+260
Campbellsville	1.66	18.43	3.46	+5.73	-0.65	92	63	77.7	+4	181	1408	+192
Covington	1.70	13.21	6.36	+2.62	+2.70	89	60	76.1	+3	176	1325	+251
Cumberland Gap	0.87	10.07	2.04	-1.66	-2.04	90	61	77.4	+5	182	1433	+329
Dix Dam	0.57	15.75	2.96	+4.34	-0.71	91	64	77.1	+4	180	1385	+180
Evansville	0.83	8.26	2.08	-2.84	-1.47	94	67	80.1	+4	193	1500	+274
Glasgow	0.34	14.82	2.83	+2.14	-1.54	91	65	79.2	+5	192	1491	+315
Grayson	1.34	14.85	4.28	+4.40	+0.62	89	60	75.4	+2	175	1317	+294
Hardinsburg	0.29	14.72	1.89	+3.01	-1.89	91	64	78.1	+4	184	1443	+187
Henderson	0.70	10.41	2.54	-0.93	-1.16	92	64	78.4	+3	185	1493	+237
Huntington	0.87	13.10	3.83	+2.77	+0.26	90	62	76.2	+3	177	1389	+285
Jackson	0.35	12.55	3.12	+1.42	-0.58	90	64	76.5	+4	180	1434	+350
Lexington	2.05	16.09	3.85	+5.30	+0.26	90	63	77.1	+4	182	1384	+290
London	0.44	10.61	2.26	+0.02	-1.25	91	63	77.4	+4	183	1416	+312
Louisville	1.58	16.17	4.13	+5.01	+0.63	94	69	81.9	+8	199	1595	+369
Mayfield	0.40	10.45	2.27	-1.86	-1.27	93	65	80.4	+5	193	1576	+259
Nashville	1.61	23.10	3.42	+11.47	-0.22	95	68	82.2	+8	200	1613	+276
Nolin Lake	0.45	15.54	2.93	+2.92	-1.10	92	63	78.6	+5	185	1425	+260
Paducah	0.98	11.28	3.15	-1.37	-0.82	94	70	81.0	+5	199	1579	+272
Princeton	2.10	18.47	6.57	+6.14	+2.72	94	67	79.9	+4	193	1533	+247
Quicksand	0.09	9.79	1.58	-1.34	-2.12	92	61	76.7	+4	176	1402	+318
Somerset	0.84	16.03	3.29	+3.78	-0.85	91	64	76.8	+4	181	1383	+198
Spindletop	1.30	14.13	4.01	+3.34	+0.42	91	64	77.4	+4	182	1394	+300
Williamstown	2.40	14.99	5.64	+3.92	+1.99	89	62	76.1	+3	177	1322	+228

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>